

The Other Opioid Crisis: Heroin and Fentanyl

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### **Disclosures**

■ Nothing to Disclose

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### **Learning Objectives**

- ■Describe the opioid overdose crisis in the United States today
- •Discuss common beliefs and inconsistencies about the role of prescription opioids in the opioid crisis
- •Identify the intersection of illicit drug use and clinical pain practice in today's "opioid epidemic"
- ■Provide clinically relevant recommendations for navigating the current landscape without depriving pain care to patients in need

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Is There More than one Opioid Crisis?

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The Facts



The Facts: No Lack of Media Attention

MEDIA

OPIOID

OPIOID

CEPIDEMIC

ENDEMIC

RADIO

RADI

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### The Facts

- ■People are dying...
- ■People are angry and reacting
- ■People are scared
- Overdoses from drugs (ALL drugs, legally prescribed or not) including opioids, hallucinogens, cocaine, etc.
  - -~ **72,000 deaths** nationwide in 2017
  - 12% from 2016
     More than 42,000 (66%) involved some type of opioid
  - \*\*\*\*Now there are questions about accuracy regarding CDC data and opioid analgesics\*\*\*\*



PainWeek There is More Than One Opioid Crisis. To better tackle the Published Jan. 17, 2018. https://fiverbirtyeight.com/feature

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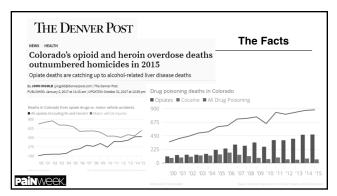
### The Facts

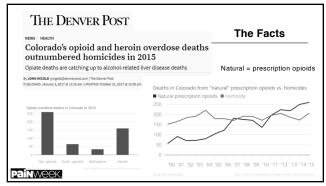
- Drug(s) Responsible May be Unknown
   Overdose is usually about RESPIRATORY
   DEPRESSION
- Sometimes causes are not reported
  - May depend on the state
     Trends can be difficult to identify

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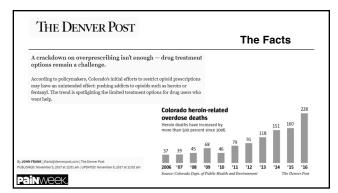
### The Facts: Kentucky as an Example The most common drugs found in Kentucky's overdose victims Based on an analysis of 1,471 drug overdose deaths in 2018 PainWestinglight There is More Than One Opioid Crisis. To better tackle the a Published Jan. 17, 7018. https://doi.org/10.1018

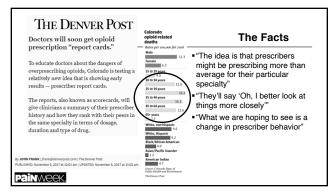


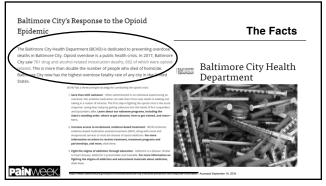


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# THE DENVER POST - "The state tracks opioid prescriptions, but doctors aren't required to check the database" - "The vast majority of states require clinicians to check the Prescription Drug Monitoring Program (PDMP) database before writing most opioid prescriptions" 15.26 Benzodiazepine related 2.98 Coaine related 2.98 Coaine related 2.98 Coaine related 2.12 2.12 Source: Colorado Drug- of Public Health and Emironement The Deriver Post Painweek









### **Important Societal Questions**

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### Is the Current Climate Living up to Promises Made in the Past?

Does the chronic pain patient still have rights?

Is this a problem about chronic pain patients abusing prescription pain medications?

The right to have your pain re-assessed regularly and your treatment adjusted if your pain has not been eased.

The right to be referred to a pain specialist or other healthcare provider if your pain persists.

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### THE DENVER POST

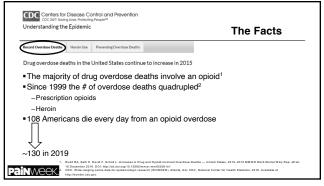
Chronic pain patients say they are hurt by Colorado's opioid prescription guidelines sing to pres

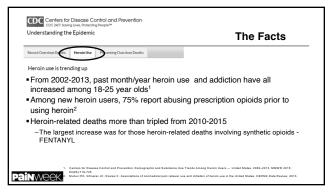


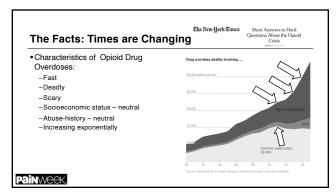
The Clinical Implications

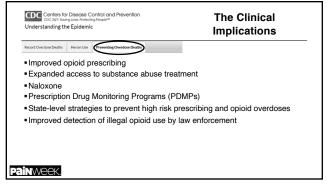
we, across Colorado and the rest of the tion, these policies intended to address doid abuse have unsepectedly harmed tients who depend on the drugs to treat tients who depend on the drugs to text oruic conditions, pain specialists and tient advocates say. The policies are opposed to offer guidance — helpful vice to doctors to be cautious in sescribing more than a certain amount of ioids to any one patient.

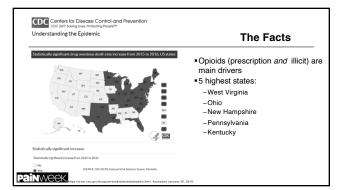
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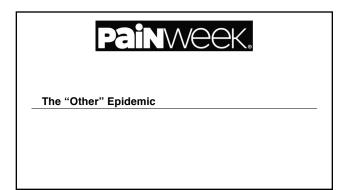


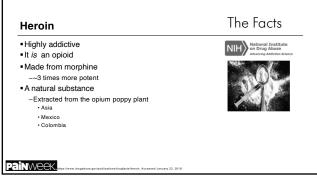


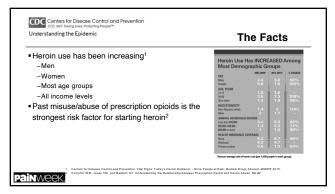


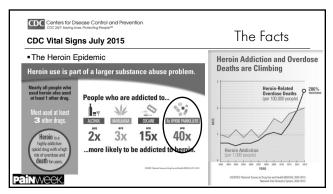


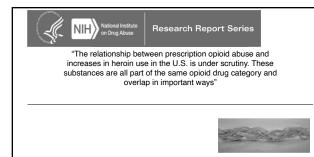


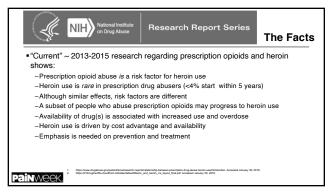


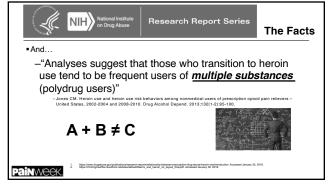


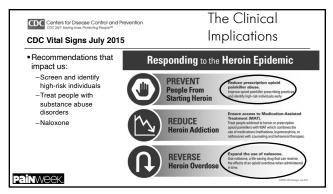


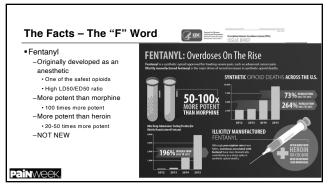


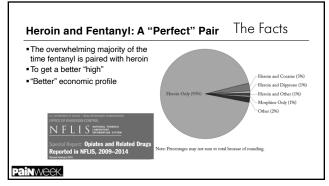




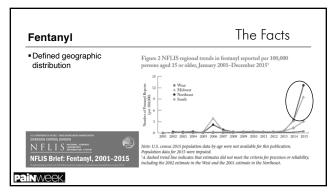


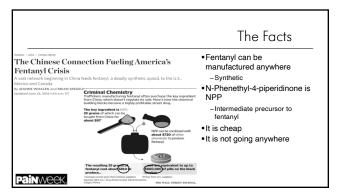






Fentanyl	The Facts
Drug seizures involving fentanyl are going up dramatically	Drug seizures containing fentanyl
	30,000
	Fentanyi reports — 25.000 doubled in 2016
	20.000
	15.000
	10,000
U.S. GERMATHEN OF MISTIGE - DRING DIFFORCIMEN ADMINISTRATION DIVERSION CONTROL DIVISION N F L I S MATIGNAL FORENSIC LANGMATOR SYSTEM	A 2006 spike was traced to a single lab in Mexico
	01 '02 '03 '04 '05 '06 '07 '08 '09 '10 '11 '12 '13 '14 '15 '1
NFLIS Brief: Fentanyl, 2001-2015	Source: D.E.A. National Forensic Laboratory Information System





### Terminology

The Facts

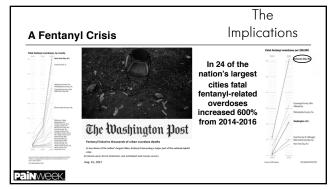
- A very small amount of fentanyl is potentially fatal
  This applies to licit or illicit fentanyl
- Illicitly manufactured fentanyl is likely no more dangerous than legally manufactured fentanyl
- Fentanyl label:



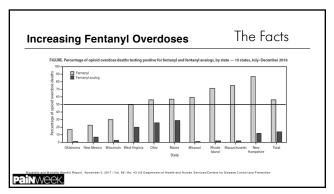
- FENTANYL CITRATE SHOULD BE ADMINISTERED ONLY BY PERSONS

  SPECIFICALLY TRAINED IN THE USE OF INTRAVENOUS ANESTHETICS AND MANAGEMENT OF THE RESPIRATORY EFFECTS OF POTENT OPIOIDS
- -AN OPIOID ANTAGONIST, RESUSCITATIVE AND INTUBATION EQUIPMENT AND OXYGEN SHOULD BE READILY AVAILABLE
  -Fentanyl may cause muscle rigidity, particularly involving the muscles of respiration
- -DIMINISHED SENSITIVITY TO CO2 STIMULATION MAY PERSIST LONGER THAN DEPRESSION OF RESPIRATORY RATE

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### **Different Types of Fentanyl and Presentations**

- Different formulations and varying potencies:
- Presentations
- -Powder -Counterfeit pills



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### The Facts Carfentanyl ■ Synthetic Large animal anesthetic The Washington Post ■ 100 times more potent than fentanyl ■ 10,000 times more potent than morphine Airborne/skin exposure often fatal -2012 Moscow Theater Hostage Crisis

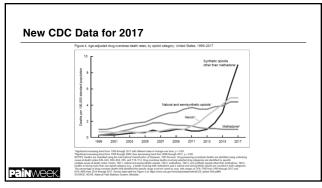
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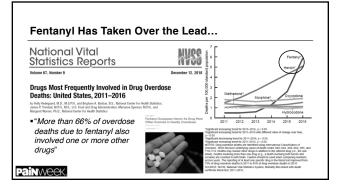
### The Facts

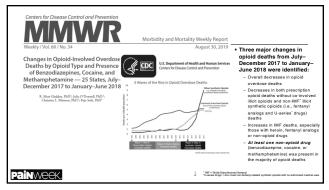
- Fentanyl in the wrong hands is deadly
- Potentially contributing significantly to overdose/fatal overdose risk
- Analogs not often tested for in routine toxicology testing
- Naloxone is a <u>bridge</u> to survival but not a final solution
- -Re-narcotization from fentanyl is common
- -Blunting of CO₂ response *will persist*-Diminished hypoxic drive may persist



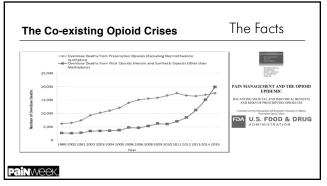


## New CDC Data for 2017 • The age-adjusted rate of drug overdose deaths involving synthetic opioids other than methadone (drugs such as fentanyl, fentanyl analogs, and tramadol) increased by 45% between 2016 and 2017, from 6.2 to 9.0 per 100,000





SUMMARY



### We didn't Start the Fire...Or did We?

- Significant controversy exists to the relationship between prescription opioids and the heroin/fentanyl epidemic
  - -Tracking back to prescribers
  - The 1990s when opioid prescribing increased
  - Pain being designated as the "5<sup>th</sup> vital sign" in 2000
     Pain Bill of Rights
     Evolution of "pill mills"

  - -Related to cost and availability
    - Heroin and fentanyl are cheaper and stronger



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### Who and What is Our Responsibility?

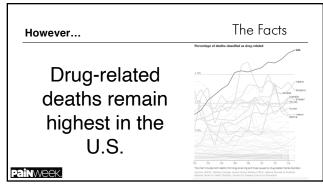
We Are Involved Like it or Not

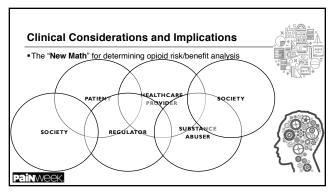
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### Does the United States Own The Problem??

- ■We are not alone
- ■This is a global issue
- In 2015, approximately ¼ billion people abused/misused drugs
- ~ 29.5 million (0.6% of global adult population) engaged in problematic use/suffered from substance use disorder
- ■70% of the global burden of disease caused by drug use disorders attributable to opioid



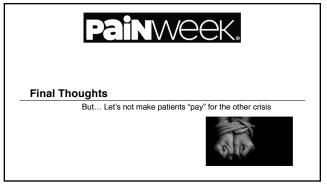




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### **Final Thoughts**

- We must consider the parallel "opioid" crises that exist today -Our role in these problems
- Heroin and fentanyl are not going anywhere
- ■Remember the "New Math"
- Naloxone is likely something to keep top of mind
  Avoidance of "risky" situations is critical
- Strongly consider and document appropriate candidates for fentanyl-based therapies
- DO NOT CO-PRESCRIBE OPIOIDS and BENZODIAZEPINES
- Everyone is looking at us as an integral part of solving the "other" opioid crisis
- Everyone is looking to us to be a part of the solution to both crises





Questions?